

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS     Walt et al  
FOR:     POLYMERIC MICROSPHERES

**Mail Stop Patent Application**  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT AND ACCOMPANYING  
FORM PTO-1449**

Applicants submit herewith copies of modified PTO-1449 forms submitted in parent application USSN 10/033,389 from which the presently filed application claims priority. Copies of the references listed therein are not enclosed but will be provided upon request. Applicants request that each of the listed documents be made of record in the presently filed application.

This information disclosure statement is being submitted concurrently with the filing of the application. Accordingly, no fee is believed due. However, the Commissioner is authorized to charge any fees due, or credit overpayments of same, to Deposit Account No. 50-0311, Ref. No. 21629-003CON.

Respectfully submitted,



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Dated: April 12, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Walt et al.  
SERIAL NUMBER: 10/033,389 EXAMINER: Not Yet Assigned  
FILING DATE: October 25, 2001 ART UNIT: 1615  
FOR: Polymeric Microspheres

**BOX IDS**

Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant hereby makes of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is required as set forth in 37 C.F.R. §1.97.

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached modified Form PTO-1449. It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed Form PTO-1449 to evidence that the cited information has been fully considered by the PATENT AND TRADEMARK OFFICE during the examination of this application.

Applicants: Walt et al.  
U.S.S.N.: 10/033,389

Please charge any additional fees that may be due, or credit any overpayment of same, to  
Deposit Account No. 50-0311 (Reference No. 21626-003).

Respectfully submitted,

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Dated: May 3, 2002

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Date of Deposit: May 3, 2002

Modified Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	10/033,389
	<b>Filing Date</b>	October 25, 2001
	<b>First Named Inventor</b>	Walt et al.
	<b>Group Art Unit</b>	1615
	<b>Examiner Name</b>	Not yet assigned
	<b>Attorney Docket Number</b>	21629-003

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1	4,594,363	06/10/86	Blankenship et al.			01/11/85
	A2	5,360,827	11/01/94	Toda et al.			03/30/93
	A3	4,468,498	08/28/84	Kowlaski et al.			02/25/82
	A4	4,427,836	01/24/84	Kowalski et al.			02/25/82
FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)		Date of Publication	Translation Yes No	
	B1	EP 0549163	Imperial Chemical Industries PLC		07/20/94		

OTHER NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Auroy et al. (1991). <i>Physica A</i> <u>172</u> : 269-284.
	C2	Bain et al. (1989). <i>J. of the Am. Chem. Soc.</i> <u>111</u> : 321-335.
	C3	Bammolker et al. (1997). <i>J. of Mat. Sci. Letters</i> <u>16</u> : 1412-1415.
	C4	Caruso (2001). <i>Adv. Mater.</i> <u>13</u> : 11-22.
	C5	Caruso et al. (1999). <i>Chem. Mater.</i> <u>11</u> : 3309-3314.
	C6	Caruso et al. (1998). <i>Science</i> <u>282</u> : 1111-1114.
	C7	Caruso et al. (1998). <i>J. of the Am. Chem. Soc.</i> <u>120</u> : 8523-8524.
	C8	Caruso et al. (2000). <i>Langmuir</i> <u>16</u> : 1485-1488.
	C9	Chen and Jenekhe (1999). <i>Langmuir</i> <u>15</u> : 8007-8017.
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	C11	Ding and Liu (1998). <i>Macromolecules</i> <u>31</u> : 6554-6558.
	C12	Dubrovsky et al. (1999). <i>Anal. Chem.</i> <u>71</u> : 327-332.
	C13	Ejaz et al. (1998). <i>Macromolecules</i> <u>31</u> : 5934-5936.
	C14	Elghanian et al. (1997). <i>Science</i> <u>277</u> : 1078-1081.
	C15	Ellman, G. (1958). <i>Arch. Of Biochem. &amp; Biophys.</i> <u>74</u> : 443-450.
	C16	Feng et al. (1996). <i>Sensors and Actuators B, Chem.</i> <u>35</u> : 431-434.
	C17	Frens, G. (1973). <i>Nature Phys. Sci.</i> <u>241</u> : 20-22.
	C18	Frey and Corn (1996). <i>Anal. Chem.</i> <u>68</u> : 3187-3193.
	C19	Furusawa et al. (1994). <i>Colloid. Polym. Sci.</i> <u>272</u> : 1104-1110.
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	C24	Harding, R. (1972). <i>J. Colloid. Interface Sci.</i> 40: 164-173.
	C25	Harris et al. (1987). <i>Chem. Phys. Letters</i> 141: 350-356.
	C26	Hawker, C. (1997). <i>Accounts of Chem. Res.</i> 30: 373-382.
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	C28	Hotz and Meier (1998). <i>Langmuir</i> 14: 1031-1036.
	C29	Hu et al. (1995). <i>J. Appl. Polym. Sci.</i> 58: 375-384.
	C30	Huang and Wirth (1997). <i>Anal. Chem.</i> 69: 4577-4580.
	C31	Huang and Wirth (1999). <i>Macromolecules</i> 32: 1694-1696.
	C32	Huang et al. (1998). <i>Anal. Chem.</i> 70: 4023-4029.
	C33	Husemann et al. (2000). <i>J. Am. Chem. Soc.</i> 122: 1844-1845.
	C34	Jenekhe and Chen (1998). <i>Science</i> 279: 1903-1907.
	C35	Jordan et al. (1997). <i>Anal. Chem.</i> 69: 4939-4947.
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	C39	Krug et al. (1999). <i>J. Am. Chem. Soc.</i> 121: 9208-9214.
	C40	Lahiri et al. (1999). <i>Anal. Chem.</i> 71: 777-790.
	C41	Lee et. Al. (1999). <i>J. Microencapsulation</i> 16: 715-729.
	C42	Liu and Wilcox (1995). <i>Mat. Res. Soc. Symp. Proc.</i> 372: 231-237.
	C43	Lyon et al. (1998). <i>Anal. Chem.</i> 70: 5177-5183.
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	C45	Mandal et al. (2000). <i>Chem. Mater.</i> 12: 3481-3487.
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	C57	Park and Kim (1998). <i>Biosensors and Bioelectronics</i> 13: 1091-1097.
	C58	Patel et al. (1997). <i>Langmuir</i> 13: 6485-6490.
	C59	Patten and Matyjaszewski (1999). <i>Acc. Chem. Res.</i> 32: 895-903.
	C60	Porter et al. (1998). <i>Langmuir</i> 14: 7378-7386.
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OTHER NON-PATENT LITERATURE DOCUMENTS			
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	C63	Schierbaum et al. (1994). <i>Science</i> <u>265</u> : 1413-1415.	
	C64	Schlenoff et al. (1995). <i>J. Am. Chem. Soc.</i> <u>117</u> : 12528-12536.	
	C65	Scott et al. (1997). <i>Anal. Chem.</i> <u>69</u> : 2636-2639.	
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	C74	Von Werne and Patten (1999). <i>J. Am. Chem. Soc.</i> <u>121</u> : 7409-7410.	
	C75	Wang and Matyjaszewski (1995). <i>J. Am. Chem. Soc.</i> <u>117</u> : 5614-5615.	
	C76	Wang and Matyjaszewski (1995). <i>Macromolecules</i> <u>28</u> : 7901-7910.	
	C77	Weisbecker et al. (1996). <i>Langmuir</i> <u>12</u> : 3763-3772.	
	C78	Wendland and Zimmerman (1999). <i>J. Am. Chem. Soc.</i> <u>121</u> : 1389-1390.	
	C79	Westcott et al. (1999). <i>Chemical Physics Letters</i> <u>300</u> : 651-655.	
	C80	Yang and Ranby (1996). <i>Macromolecules</i> <u>29</u> : 3308-3310.	
	C81	Segall et al. (1995). <i>J. of Appl. Polymer Sci.</i> <u>55</u> : 401-417.	
Examiner Signature	Date Considered		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

TRA 1598736v1